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Amendment to Claims

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Twice Amended) A system for defining and managing an asset, comprising:

~~a data store for virtual area data provided on a computer coupled to a network, the virtual area data representing a portion of a three dimensional space for a project as a two dimensional project structure; and~~

~~a data input and supplement toolset linking virtual area data to business objects.~~

a first data store for storing specification data;

a second data store for storing "item" data; said data store comprising

one or more data field values;

a third data store for virtual area data, said virtual area data representing a portion of a three dimensional space for an asset as a two dimensional structure

one or more data input systems for inputting data into said first data store;

one or more data input systems for inputting "item" data into said second data store;

one or more data input systems for inputting virtual area data into said third data store; and

a data store interface linking said first data store, said second data store, and said third data store.

2. (Twice Amended) The system of claim 1 wherein the ~~virtual area data~~ third data store further comprises data arranged in an ~~hierarchical~~ object-relational data structure representing three-dimensional physical space ~~and is assigned a function.~~

3. (Currently Amended) the system of claim 2 wherein the virtual area data is linked to item specification data values ~~comprising an item specification~~ provided in a plurality of data fields describing the relationship between the item data and the virtual area data. ~~item.~~

4. (Currently Amended) the system of claim 1 wherein ~~said item specification data includes~~ said first data store further comprises:

1 one or more objects incorporated into or consumed during the creation of the asset, said
2 objects comprising:

3 at least one data field for storing item attributes;
4 at least one data field for storing component values; and
5 at least one data field for storing allocation values.

6 5. (Twice Amended) The system of claim 2 wherein said virtual area data is defined in a
7 graphical format able to be processed and displayed in a user interface. ~~by computer aided design~~
8 (CAD) software. the data input and supplement toolset comprises a computer aided design
9 (CAD) software plug-in, the virtual area defined in a graphical format able to be processed and
10 displayed in a user interface by CAD software.

11 6. (Withdrawn) ~~The system of claim 2 wherein the data input and supplement toolset comprises~~
12 ~~an item specification creation and editing tool.~~

13 7. (Currently Amended) The system of claim 1 includes an further including at least one item
14 procurement toolset, said item procurement toolset comprising:
15 one or more data input systems for inputting specification data into said first data store
16 and said second data store.

17 8. (Currently Amended) The system of claim 7 wherein the item procurement toolset further
18 including at least one bid tool, said bid tool comprising:
19 one or more data input systems for inputting specification data into said first data store
20 and said second data store.

21 9. (Currently Amended) The system of claim 7 where the item procurement toolset further
22 including at least one a request for quotation tool, said request for quotation tool comprising:
23 one or more data input systems for inputting specification data into said first data store
24 and said second data store.

25 10. (Currently Amended) The system of claim 1 further including at least one a cost management
26 system, said cost management system comprising:
27 one or more data input systems for inputting specification data in said first data store and
28 inputting item data in said second data store .

11. (Currently Amended) The system of claim 10 further including at least one an estimate tool,
said estimate tool comprising:
one or more data input systems for inputting specification data in said first data store and
inputting item data in said second data store .

1 12. (Currently Amended) The system of claim 10 further including at least one an invoice tool,
2 said invoice tool comprising:

3 one or more data input systems for inputting specification data in said first data store and
4 inputting item data in said second data store -

5 13. (Currently Amended) The system of claim 10 further including at least one a budget tool,
6 said budget tool comprising:

7 one or more data input systems for inputting specification data in said first data store and
8 inputting item data in said second data store -

9 14. (Currently Amended) The system of claim 10 further including at least one a payment tool,
10 said payment tool comprising:

11 one or more data input systems for inputting specification data in said first data store and
12 inputting item data in said second data store -

13 15. (Currently Amended) The system of claim 10 further including at least one a contract tool,
14 said contract tool comprising:

15 one or more data input systems for inputting specification data in said first data store and
16 inputting item data in said second data store -

17 16. (Currently Amended) The system of claim 1 further including at least one a teamwork
18 toolset, said teamwork toolset comprising:

19 one or more data input systems for inputting specification data in said first data store and
20 inputting item data in said second data store -

21 17. (Currently Amended) The system of claim 16 further including at least one a collaboration
22 tool, said collaboration tool comprising:

23 one or more data input systems for inputting specification data in said first data store and
24 inputting item data in said second data store -

25 18. (Currently Amended) The system of claim 16 further including at least one a message center,
26 said message center comprising:

27 one or more data input systems for inputting specification data in said first data store and
28 inputting item data in said second data store -

19. (Currently Amended) The system of claim 16 further including at least one a request for
information tool, said request for information tool comprising:

one or more data input systems for inputting specification data in said first data store and
inputting item data in said second data store -

20. (Currently Amended) ~~The system of claim 1 wherein the project includes a design phase, a~~
~~modification phase and a procurement phase, and data is entered and modified throughout each~~
~~such phase.~~

1 The system of claim 1 wherein an allocation value and/or an item attribute history is recorded per
2 one or more phases within the management of an asset.

3 21. (Currently Amended) The system of claim 1 wherein the first, second, and third data stores
4 contains links to other data in the system such that a change to one item or component is
5 propagated to all linked data.

6 22. (Currently Amended) The system of claim 1 wherein the virtual area defined in a graphical
7 format able to be processed and displayed in a user interface by CAD software. the third data
8 input systems includes a CAD software plug-in

9 23. (Twice Amended) The system of claim 1 wherein the first, second, and third data stores is are
10 updated in real time such that information modified by users is instantly available to other users
11 in the system.

12 24. (Currently Amended) The system in claim 1 further including at least one an order fulfillment
13 tool, said order fulfillment tool comprising:
14 one or more data input systems for inputting specification data in said first data store and
15 inputting item data in said second data store ;

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